**Attachment H**

**Applicable Requirements for facilities subject to 401 KAR 59:050, New storage vessels for petroleum liquids.**

| | | | Applicable Requirements | |
|---|---|---|---|---|
| **Storage Capacity (V) [gallons]** | **Commence Date (C) [mm/dd/yy]** | **True Vapor Pressure (TVP) [psia]** | **Emission Control [regulatory citation]** | **Record Keeping and Monitoring** Requirements*** [regulatory citation]** |
| V > 40,000, and | On or after 04/09/72 but prior to 05/19/78, and | 11.1 > TVP ≥ 1.5 | Storage vessel shall be equipped with:<br>1) floating roof*, or<br>2) vapor recovery^, or<br>3) equivalent controls<br>**[401 KAR 59:050 Section 3(1)(a)]** | Records shall be kept of:<br>1) petroleum liquid stored, and<br>2) period of storage, and<br>3) maximum TVP during storage<br>**[401 KAR 59:050 Section 5(1) and (2)]**<br>4) TVP of each type of crude oil whose estimated TVP is greater than 1.0 psia<br>**[401 KAR 59:050 Section 5(3)]** |
| V > 40,000, and | On or after 04/09/72 but prior to 05/19/78, and | TVP > 11.1 | Storage vessel shall be equipped with:<br>1) vapor recovery^, or<br>2) equivalent controls **[401 KAR 59:050 Section 3(1)(b)]** | Records shall be kept of:<br>1) petroleum liquid stored, and<br>2) period of storage, and<br>3) maximum TVP during storage<br>**[401 KAR 59:050 Section 5(1) and (2)]**<br>4) TVP of each type of crude oil whose estimated TVP is greater than 1.0 psia<br>**[401 KAR 59:050 Section 5(3)]** |
| V > 580, and | On or after 04/09/72, and | TVP ≥ 1.5 | As a minimum, storage vessel shall be equipped with a permanent submerged fill pipe<br>**[401 KAR 59:050 Section 3(2)]** | Records shall be kept of:<br>1) petroleum liquid stored, and<br>2) period of storage, and<br>3) maximum TVP during storage<br>**[401 KAR 59:050 Section 5(1) and (2)]**<br>4) TVP of each type of crude oil whose estimated TVP is greater than 1.0 psia<br>**[401 KAR 59:050 Section 5(3)]** |
| V > 40,000, and | On or after 05/19/78 but prior to 07/24/84, and | 11.1 > TVP ≥ 1.5 | Storage vessel shall be equipped with:<br>1) external floating roof , or **[401 KAR 59:050 Section 3(3)(a)1, 2 and 3]**<br>2) fixed roof with an internal cover, or **[401 KAR 59:050 Section 3(3)(b)]**<br>3) vapor recovery and return or disposal system^, or **[401 KAR 59:050 Section 3(3)(c)]**<br>4) equivalent controls **[401 KAR 59:050 Section 3(3)(d)]** | Records shall be kept of:<br>1) petroleum liquid stored, and<br>2) period of storage, and<br>3) maximum TVP during storage<br>**[401 KAR 59:050 Section 5(1) and (2)]**<br>4) TVP of each type of crude oil whose estimated TVP is greater than 1.0 psia<br>**[401 KAR 59:050 Section 5(3)]** |
| V > 40,000, and | On or after 05/19/78 but prior to 07/24/84, and | TVP > 11.1 | Storage vessel shall be equipped with vapor recovery and return or disposal system^ **[401 KAR 59:050 Section 3(4)]** | Records shall be kept of:<br>5) petroleum liquid stored, and<br>6) period of storage, and<br>7) maximum TVP during storage<br>**[401 KAR 59:050 Section 5(1) and (2)]**<br>8) TVP of each type of crude oil whose estimated TVP is greater than 1.0 psia<br>**[401 KAR 59:050 Section 5(3)]** |

* If a floating roof is used to comply with 401 KAR 61:050 Section 3(1), the source must also operate in accordance with 401 KAR 61:050 Section 4(1) and (2); if the floating roof is external, the source must additionally operate in accordance with 401 KAR 61:050 Section 4(3))

** Pursuant to 401 KAR 59:050 Section 5(2), the Division for Air Quality may specify which sources shall sample the liquid being stored and monitor the actual storage temperature to determine the Reid vapor pressure (RVP) for determination of the maximum true vapor pressure (TVP).

*** Pursuant to 401 KAR 59:050 Section 5(4), the following are exempt from the record keeping and monitoring requirements of 401 KAR 59:050 Section 5:

(a) all petroleum liquid storage vessels with V > 580 gallons; and, RVP < 1.0 psia; and, TVP ≤ 1.0 psia

(b) all petroleum liquid storage vessels equipped with a vapor recovery and return or disposal system in accordance with 401 KAR 59:050 Section 3(1)(a) and (b), (3)(c) and (4),

^ Pursuant to 401 KAR 59:050 Section 5(4), each storage vessel equipped with emission controls in accordance with 401 KAR 59:050 Section 3(1)(a) and (b), (3)(c) and (4) is exempt from the record keeping and monitoring requirements in 401 KAR 59:050 Section 5.